WHAT IS CLAIMED IS:

1. A method for completing a subterranean well, the method comprising the steps of:

positioning at least one assembly in a wellbore of the well;

then inserting a portion of a tubular string into an internal flow passage of the assembly; and

attaching a fiber optic line to the tubular string portion, the fiber optic line extending within the internal flow passage of the assembly.

2. The method according to claim 1, wherein the attaching step is performed after the inserting step.

3. The method according to claim 1, wherein the attaching step further comprises pumping the fiber optic line through a conduit attached to the tubular string.

4. The method according to claim 3, wherein the pumping step is performed after the inserting step.

5. The method according to claim 1, wherein the assembly is a gravel packing assembly, and further comprising the step of gravel packing the wellbore about the assembly.

6. The method according to claim 5, wherein the inserting step is performed after the gravel packing step.

7. The method according to claim 1, wherein the positioning step further comprises positioning multiple ones of the assembly in the wellbore, wherein the inserting step further comprises inserting the tubular string portion into each of the assemblies, and wherein the attaching step further comprises attaching the fiber optic line to the tubular string portion so that the fiber optic line extends in each of the assemblies.

8. The method according to claim 7, further comprising the step of sealingly engaging the tubular string in the assemblies, thereby isolating the flow passages formed through the assemblies from each other.

9. The method according to claim 8, wherein the tubular string includes multiple flow control devices, and further comprising the step of controlling flow between an interior portion of the tubular string and each of the flow passages with a respective one of the flow control devices.

10. The method according to claim 1, wherein the inserting step further comprises opening a fluid loss control device of the assembly.

11. A system for completing a subterranean well, the system comprising:

an assembly positioned in a wellbore of the well;

a tubular string having a portion inserted into an internal flow passage of the assembly after the assembly is positioned in the wellbore; and

a fiber optic line attached to the tubular string portion and extending in the internal flow passage of the assembly.

12. The system according to claim 11, wherein the assembly is a gravel packing assembly.

13. The system according to claim 11, wherein at least a portion of the assembly is positioned in an uncased portion of the wellbore.

14. The system according to claim 11, wherein the fiber optic line extends through a sealing device of the tubular string, the sealing device sealingly engaging the assembly.

15. The system according to claim 14, wherein the sealing device isolates the interior flow passage of the assembly from an annulus formed between the tubular string and the wellbore.

16. The system according to claim 11, wherein the tubular string portion is perforated.

17. The system according to claim 11, wherein the fiber optic line extends through a packer interconnected in the tubular string.

18. The system according to claim 11, wherein a fluid loss control device of the assembly opens in response to insertion of the tubular string portion into the assembly.

19. The system according to claim 11, wherein the system includes multiple ones of the assembly, and wherein the tubular string portion and the fiber optic line are inserted into each of the assemblies.

20. The system according to claim 19, wherein the assemblies are sealed to each other in the wellbore.

21. The system according to claim 19, wherein sealing engagement between the assemblies forms the continuous flow passage extending through the assemblies.

22. The system according to claim 21, wherein the tubular string portion and the fiber optic line are inserted into the flow passage.

23. The system according to claim 21, wherein a sealing device carried on the tubular string isolates the flow passage in one of the assemblies from the flow passage in another of the assemblies.

24. The system according to claim 11, wherein the fiber optic line extends through a telescoping travel joint interconnected in the tubular string.

25. The system according to claim 11, wherein the fiber optic line is contained in a conduit attached to the tubular string.

26. The system according to claim 25, wherein the fiber optic line is pumped into the conduit after the tubular string portion is inserted into the assembly.

27. The system according to claim 26, wherein the conduit includes a check valve which permits outward fluid flow from the conduit at the tubular string portion.

28. A system for completing a subterranean well, the system comprising:

at least first and second assemblies positioned in a wellbore of the well;

a tubular string having a portion inserted into an internal flow passage extending in both of the first and second assemblies after the first and second assemblies are positioned in the wellbore; and

a fiber optic line attached to the tubular string portion.

29. The system according to claim 28, wherein the tubular string receives fluid flowed from each of the first and second assemblies.

30. The system according to claim 28, wherein each of the first and second assemblies is a gravel packing assembly.

31. The system according to claim 28, wherein a sealing device carried on the tubular string isolates the flow passage in the first assembly from the flow passage in the second assembly.

32. The system according to claim 31, wherein a first flow control device interconnected in the tubular string controls flow between the flow passage in the first assembly and a first interior portion of the tubular string, and wherein a second flow control device interconnected in the tubular string

controls flow between the flow passage in the second assembly and the first interior portion of the tubular string.

33. The system according to claim 32, wherein operation of each of the first and second flow control devices is controlled from a remote location.

34. The system according to claim 32, wherein the first flow control device is positioned within the tubular string.

35. The system according to claim 32, wherein the first flow control device controls flow between the first interior portion of the tubular string and a second interior portion of the tubular string in communication with the flow passage in the first assembly.

36. The system according to claim 28, wherein the fiber optic line extends through a telescoping travel joint interconnected in the tubular string.

37. The system according to claim 28, wherein the fiber optic line extends through a packer interconnected in the tubular string.

38. The system according to claim 28, wherein the fiber optic line extends through a seal assembly on the tubular string which sealingly engages at least one of the first and second assemblies.

39. The system according to claim 28, wherein the fiber optic line is positioned in a conduit attached to the tubular string portion.

40. The system according to claim 39, wherein the fiber optic line is pumped into the conduit after the tubular string is inserted into the first and second assemblies.

41. The system according to claim 40, wherein the conduit includes a check valve which permits outward fluid flow from the conduit at the tubular string portion.

42. The system according to claim 28, wherein the first assembly includes a fluid loss control device.

43. The system according to claim 42, wherein the fluid loss control device opens in response to engagement between the first and second assemblies in the wellbore.

44. The system according to claim 28, wherein the second assembly includes a fluid loss control device.

45. The system according to claim 44, wherein the fluid loss control device opens in response to engagement between the tubular string and the second assembly in the wellbore.